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**CIA-RDP86-00513R001962320011-6"**

PETROV, G.L.; YAZYKOV, A.S.

Redistribution of gases in the weld zone during the welding of  
titanium alloys. Trudy LPI no.229:73-82 '63. (MIRA 17:9)

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YAZYKOV, D. K.

"' Increase in the Function of Amputated Stumps of the Forearm', Prof V. I. Berliner,"  
Sov. Med., No. 2, 1948. Dr. Med. Sci.

YAZYKOV, D.K.

21056 Yazykov, D.K. Opyt lecheniya bolezniy i defektov Kul'tey po shornym Klinicheskim materialam institutov i gosptaley Trudy In-ta (Kazansk Nauch-issled in-t ortopedii i vosstanovit Khirurgii) t.111, 1949, s. 67-81,

SO: LETOPIS ZHURNAL STATEY - Vol. 28, Moskva, 1949



YAZYKOV, Prof. D. K.

Ch. Orthopedic Surgeon, Min. Public Health, Moscow, -c1948-c49-.

Mbr., Chair Traumatology, Central Inst. Advance & Training for Physicians, -c1949-.

Sec'y, Moscow Surgical Society, -c1949-.

"Results of Protracted Treatment of Chronic Ulcers on Data of 8,000 Clinical Observations," Sov. Med., No. 2, 1948;

"Experience in Treating Diseases and Defects of Stumps," *ibid.*, No. 1, 1949;

"Method of Treatment of Fractures by the Stimulation of Bone Regeneration," *ibid.*,

No. 5, 1949.

Khirurgiya, No. 10, 1949

YAZYKOV, D. K.

Stimulation of bone regeneration in the over-all treatment of fractures  
Moskva, 1952. 91 p. (Biblioteka prakticheskogo vracha)

1. Fractures.

VITKOV, D. D., PROF.

Nerves, Spinal-Inflammation

Treatment of post-traumatic radiculitis and neuritis, Sov. med., 16, No. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1952, Uncl.  
2

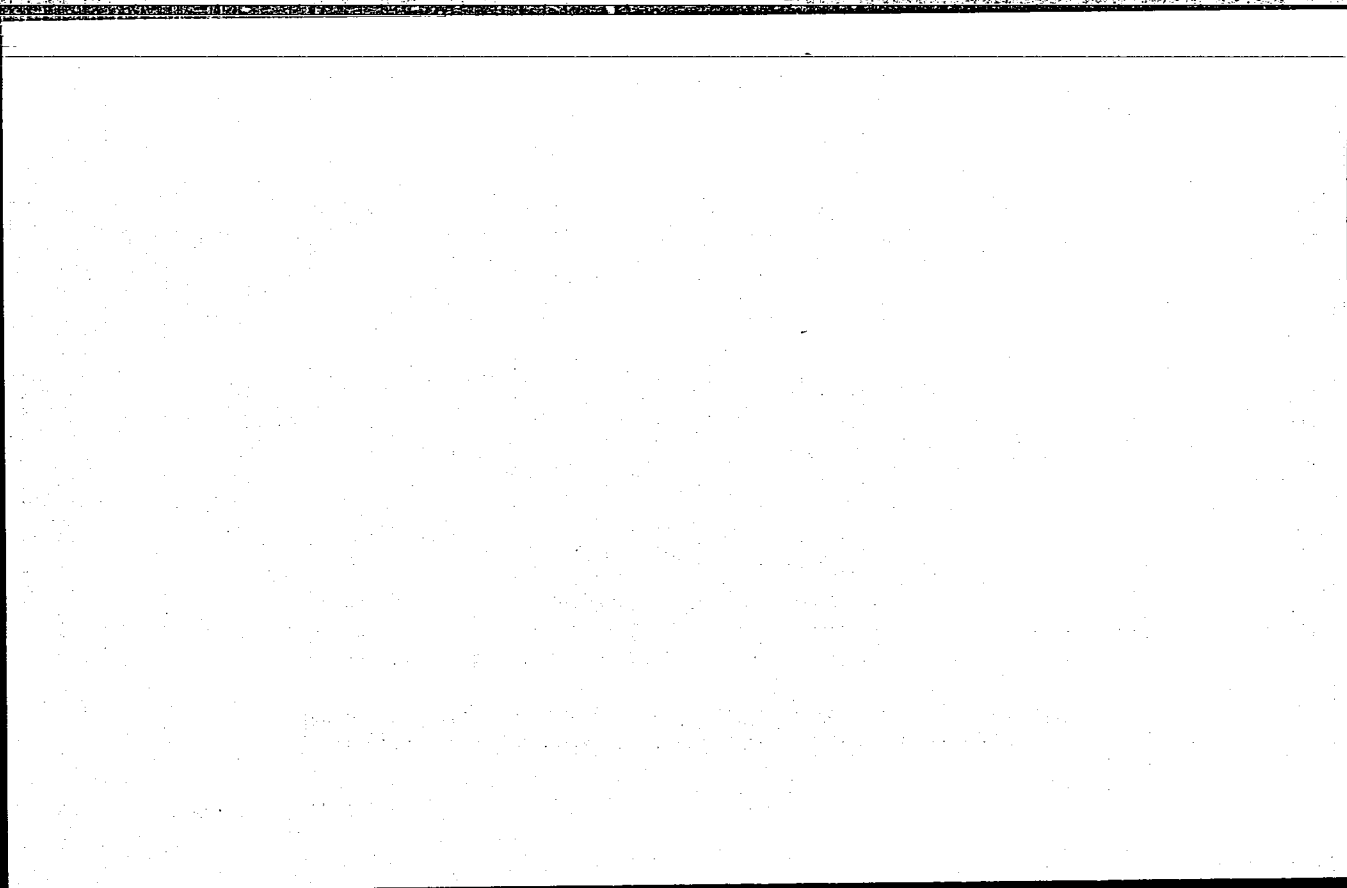
YAZYKOV, D.K., professor.

Intra-articular prosthetic operation. Sov.med. 17 no.9:24-25 S '53.  
(MLBA 6:9)

1. Kafedra travmatologii i vosstanovitel'noy khirurgii Tsentral'nogo instituta usovershenstvovaniya vrachey Ministerstva zdravookhraneniya SSSR.  
(Joints--Surgery)

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CIA-RDP86-00513R001962320011-6"

YAZYKOV, D.K., professor

Some problems of osteosynthesis and of osteoplasty in the  
U.S.S.R. Khirurgiia no.4:3-15 Ap '54. (MLBA 7:6)

1. Iz kafedry travmatologii o ortopedii (zav. prof. D.K.Yazykov)  
TSentral'nogo instituta usovershenstvovaniya vrachey.  
(ORTHOPEDICS,  
\*in Russia)

YAZYKOV D.K.  
YAZYKOV, D.K., professor (Moskva)

In the people's Poland. Ortop.travm. i protez. no.2:86-90 Mr-Ap  
'55. (MLRA 8:10)

(ORTHOPEDICS,  
in Poland)

7  
YAZYKOV, D.K., professor (Moskva)

An important step in the development of Russian orthopedics,  
traumatology and rehabilitation surgery. Ortop.travm. i protez.  
no.5:9-15 S-0 '55. (MLRA 9:12)

(REHABILITATION

in Russia, develop. of serv. to veterans of World War II)

(VETERANS,

in Russia, rehabil. of invalids of World War II)



YAZYKOV, D.K., professor (Moskva)

"Orthopedia and traumatology." by B.Boichev, B.Konforti, K.Chokanov.  
Reviewed by D.K.Yazykov. Ortop., travm. i protez. 17 no.1:66-69  
Ja-F '56. (MLRA 9:12)

(ORTHOPEDIA) (BOICHEV, B.)  
(KONFORTI, B.) (CHIKANOV, K.)

YAZYKOV, D.K., professor

Timofei Sergeevich Zatsepin; on his 70th birthday and the 45th anniversary of his scientific activities. Ortop., travm. i pretez. 17 no.2:74-75 Mr-Ap '56. (MLRA 9:12)

1. Predsedatel' pravleniya Meditsinskogo obshchestva travmatologov i ortopedov g.Moskvy i Moskovskoy oblasti.  
(ZATSEPIN, TIMOFEI SERGEEVICH, 1886- )

YAZYKOV, D.K., professor (Moskva)

"Operative treatment of forms of atonic paralysis following  
Heine-Medin disease"; collection of works [in Polish]. Ortop.,  
i protez. 18 no.1:71-73 Ja-F '57. (MLRA 10:6)  
(POLIOMYELITIS) (ORTHOPEDIA)

YAZYKOV, D.V., professor; LIPSKIY, Ye.B., kandidat meditsinskikh nauk  
(Moscow)

Some data on the state of orthopedics and traumatology in Sweden.  
Ortop.travm. i protez. 18 no.3:74-80 My-Je '57. (MLHA 13:9)  
(ORTHOPEDICS  
in Sweden)

YAZYKOV, D.K.

BLOKHIN, V.N.; BOGDANOV, F.R.; YAZYKOV, D.K.

Seventh Congress of Orthopedists in the German Democratic Republic  
held on May 7-17, 1957. Ortop.travm. i protez. 18 no.6:65-71  
N-D '57. (MIRA 11:4)

(GERMANY, EAST--ORTHOPEDIA--CONGRESSES)

YAZYKOV, D.K., prof. (Moscow)

Abstracts of foreign literature. Brief survey of some Russian  
publications for October 1957. Ortop.travm. 1 protez 19 no.2  
81-83 Mr-Ap '58 (MIRA 11:5)  
(BIBLIGRAPHY--MEDICINE)

YAZYKOV, D.K., prof. (Moskva)

Preliminary bone-dotting in excision of a bone autotransplant.  
Ortop.travn. i protez. 19 no.3:52 My-Je '58 (MIRA 11:7)  
(BONE AND BONES, transpl.  
autotranspl., preliminary bone-dotting before excis.  
(Rus))

YAZYKOV, D.K., prof.

"Orthopedia" by V. D. Chaklin. Reviewed by D.K. Iazkov. Khirurgia 34  
no.3:136-139 Mr '58. (MIRA 12:1)  
(ORTHOPEDIA)



YAZYKOV, D.K., prof. (Moskva)

"Elements for establishing control over the regeneration of bone tissue and tissue in general" by [prof.] I.L. Zaichenko. Reviewed by Iazykov. Ortop.travm.i protez. 20 no.4:80-82 Ap '59. (MIRA 13:4)

(REGENERATION (BIOLOGY)) (ZAICHENKO, I.L.)

YAZYKOV, D.K., prof.

Cases and therapy of especially severe complications of o-en fractures of the forearm. Ortop.travm. i protez. 20 no.6:36-39 Ja '59. (MIRA 13:3)

1. Iz Tsentral'nogo instituta usovershenstvovaniya vrachey.  
(FOREARM, fract.

compl. of open fract., surg. (Rus))

YAZYKOV, D.K., prof. (Moskva)

On a visit to the scientists of the Rumanian People's Republic.  
Ortop.travma. i protsz. 20 no.7:74-79 J1 '59. (MIRA 12:10)  
(ORTHOPEDICS)

YAZYKOV, D.K., prof. (Moskva)

"Orthopedic surgery" [in Rumanian] by Alexandru Radulescu. Reviewed  
by D.K. Iazykov. Ortop.travm.i protez. 20 no.8:71-72 Ag '59.  
(MIRA 12:11)

(ORTHOPEDIA)

(RADULESCU, ALEXANDRU)

YAZYKOV, D.K., prof. (Moskva)

"Intramedullary osteosynthesis with metallic nails" [in Romanian] by  
Andrei Voinea. Reviewed by D.K. Iazykov. Ortop.travm.i protez. 20  
no.9:76-77 S '59. (MIRA 13:2)

(FRACTURES)

(VOINIA, ANDREI)

YAZYKOV, D.K., prof. (Moskva)

Visit to orthopedists of Hungary and Poland. Ortop., trav. i protez.  
20 no.10:88-92 0 '59. (MIRA 13:2)  
(ORTHOPEDICS)

YAZYKOV, D.K., prof.,; LIPSKIY, E.B., kand.med.nauk

"'Dialization'" by K. Pap. Reviewed by D.K. Iazykov, E.B. Lipskii.  
Khirurgia 35 no.1:143-144 Ja '59. (MIRA 12:2)  
(FRACTURES)

BLOKHIN, V.N., dots.; BOGDANOV, F.R., prof.; VAYNSHTEYN, V.G., prof.;  
 GODUNOV, S.F., doktor med. nauk; MITREY, I.M., kand. med.  
 nauk; MOVSHOVICH, I.A., kand. med. nauk; MOLODAYA, Ye.K.,  
 prof.; NIKIFOROVA, Ye.K., prof.; NOVACHENKO, N.P., prof.;  
 ROZOV, V.I., prof.; CHAKLIN, V.D., prof.; YAZYKOV, D.K.,  
 prof.; PETROVSKIY, B.V., prof., otv. red.; SENCHILO, K.K.,  
 tekhn. red.

[Multivolume manual on surgery] Mnogotomnoe rukovodstvo po  
 khirurgii. Moskva, Medgiz. Vol.11, book 1. [Surgery of the  
 upper extremities] Khirurgiia verkhnei konechnosti. 1960.  
 518 p. (MIRA 15:3)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for  
 Bogdanov, Novachenko, Chaklin). 2. Deystvitel'nyy chlen Aka-  
 demii meditsinskikh nauk SSSR (for Petrovskiy).  
 (EXTREMITIES, UPPER—SURGERY)



YAZYKOV, D. K., MD., DEPUTY CHIEF OF PHYSICIANS, ...  
Advanced Training of Physicians, Moscow.

"Osteogenic Stimulation Obtained From The Use Of Certain Technical Procedures In  
Bone Grafting Operations."

report submitted for the Eighth Congress, Intl. Society of Surgery (Orthopedic)  
and Traumatology, New York, N.Y., 4-10 Sep 60.

YAZYKOV, D. K., (Prof.) -- Moscow

"Diagnostic Errors and Their Sequelae in the Clinical  
Course of Tumors of Bones."

Report submitted for the 27th Congress of Surgeons of the USSR, Moscow,  
23-28 May 1960.

9

YAZYKOV, D.K., prof.

Results of arthroalloplasty of the shoulder joint. Ortop.travm.1  
protez. 21 no.4:63-65 Ap '60. (MIRA 13:9)

1. Iz TSentral'nogo instituta usovershenstvovaniya vrachey.  
(SHOULDER JOINT--SURGERY)

YAZYKOV, D.K.

Osteoarthrosis deformans; etiology, pathogenesis, clinical  
aspects, diagnosis, and therapy. Ortop.travm.i protez. 21  
no.6:7-16 Je '60. (MIRA 13:12)  
(ARTHRITIS, RHEUMATOID)

YAZYKOV, D.K.

Operation of arthroalloplasty of the shoulder joint. Trudy NII EKHA I  
no.5:197-205 '61. (MIRA 15:8)

1. Iz kafedry travmatologii i ortopedii Tsentral'nogo instituta  
usovershenstvovaniya vrachey.  
(SHOULDER JOINT--SURGERY) (PLASTICS IN MEDICINE)

YAZYKOV, D.K.

Clinical use of cyanocobalamine in traumatology and orthopedics.  
Vit. res. i ikh isp. no.5:203-209 '61. (MIRA 15:1)

1. Kafedra ortopedii i travmatologii Tsentral'nogo instituta  
usovershenstvovaniya vrachey, Moskva.  
(CYANCOBALAMINE) (TRAUMATISM)

YAZYKOV, D.K., prof. (Moskva, D-252, 3-ya Peschanaya, ul., d.5, kv.217)

Treatment of injuries to the shoulder joint. Ortop., travm.  
i protez. 23 no.6:3-11 Je '62. (MIRA 15:9)

1. Iz kafedry travmatologii i ortopedii (zav. -- prof. D.K.  
Yazykov) Tsentral'nogo instituta usovershenstvovaniya vrachey.  
(SHOULDER JOINT--WOUNDS AND INJURIES)

YAZYKOV, Dmitriy Ksenofontovich; KACHKOV, A.P., red.; KUZ'MINA,  
N.S., tekhn. red.

[Differential diagnosis in a traumatologic and orthopedic clinic]  
Differentsial'naya diagnostika v klinike travmatologii orto-  
pedii. Moskva, Medgiz, 1963. 399 p. (MIRA 16:5)  
(TRAUMATISM) (ORTHOPEDIA) (DIAGNOSIS, DIFFERENTIAL)



YAZYKOV, I. (Pyatigorsk); KOMAROVSKIY, S. (Pyatigorsk).

School technical club. Fiz.v shkole 16 no.5:96 8-0 '56.  
(Pyatigorsk--Technical education) (MLRA 9:11)

YAZYKOV, P.

USSR/Cultivated Plants. Technical Plants. Oil and Sugar Bearing Plants. M

Abs Jour : Ref Zhur-Biol., No 15, 1958, 68261

Author : Yazykov, P., Osipova, Ye.  
Inst : AS Uz SSR Institute of Genetics and Plant Physiology.

Title : Influence of Nutrition Area on Bush Structure and Cotton Yields in Square-Nest Plantings.

Orig Pub : Khlopkovodstvo, 1957, No 5, 27-29

Abstract : Research conducted by the Institute of Genetics and Plant Physiology of the Uz SSR Academy of Sciences with the 108-F variety on a base of complete mineral fertilization, and irrigated according to the 1-3-1 scheme, has shown that for serozems [gray soils] with

Card : 1/3

109

USSR/Cultivated Plants. Technical Plants. Oil and M  
Sugar Bearing Plants.

Abs Jour : Ref Zhur-Biol., No 15, 1958, 68261

ground water far below the surface, the  
50 x 50 centimeter scheme of plant distri-  
bution with three plants in a nest, is best.  
This permits the bushes to grow in a compact  
form, enables the productive processes to be  
mechanized on a large scale, and produces  
high yields of early-ripening cotton. To pre-  
vent the plants from tumbling, the first irri-  
gation must be done according to moderate norms  
at the rate of 800-900 cubic meters per hectare,  
and the last two irrigations must be performed  
at the rate of 750-800 cubic meters per hectare.  
It is possible to set out the plants in a 45 x  
45 centimeter nest with 2-3 plants per nest on

Card : 2/3

USSR/Cultivated Plants. Technical Plants. Oil and      H  
Sugar Bearing Plants.

Abs Jour : Ref Zhur-Biol., No 15, 1958, 68261

infertile gray soils with a pronounced slope.  
The 50 x 50 centimeters scheme with four plants  
per nest is useful for plants with branchiness  
of the zero and first types. -- A. M. Smirnov

Card : 3/3

110

YAZYKOV, F. P.

Measures for controlling weeds in cotton fields Moskva, 1934. 34.p.

1. Weeds. 2. Cotton growing - Russia.

YAZYKOV, P.P., kand.sel'skokhozyaystvennykh nauk; BARAKAYEV, M.

Changes in the growth of stems and weight of corn ears as related  
to the density and size of squares. Agrobiologiya no.6:931-932  
N-D '62. (MIRA 16:1)

1. Vsesoyuznyy ordena Lenina nauchno-issledovatel'skiy  
institut khlopkovodstva.

(Uzbekistan--Corn (Maize))  
(Plants, Space arrangement of)

YAZYKOV, P. P.

Povyshennaia gustota stoianii i pravil'noe razmeshchenie rastenii khlopchatnika  
[Increased density of cotton stand and correct spacing of plants]. Tashkent,  
Izd-vo AN UzSSR, 1953. 112 p.

SO: Monthly List of Russian Accessions, Vol. 6 No. 9 December 1953

YAZYKOV, P.P.; YERMOSHENKO, M.A.; POPOVA, P.Ya.

Effect of the nutrient area and rate of fertilization on cotton  
yield. Izv. AN Uz. SSR no. 9:31-41 '56. (MIRA 14:5)  
(Cotton--Fertilizers and manures)



YAZYKOV, S., arkhitektor

Synthetic materials for the construction industry. Mest.prom.1  
khud.promys. 2 no.1:11-12 Ja '61. (MIRA 14:4)  
(Building materials)

YAZUKOV S. A..

FA 151140

USSR/Medicine - Ear  
Otolology

Jul/Aug 49

"Experimental Vibrotrema of the Ear in Guinea Pigs,  
S. A. Yazukov, Cand Med Sci, Otorhinolaryngol  
Clinic imeni V. I. Voyachek, MII Med Acad imeni  
Kirov, 4 pp

"Vest Oto-Rino-Laringol" No 4

Determined traumatic effect of noise after the bulle  
of guinea pigs was opened by a prescribed method,  
an active electrode was placed in the upper helix  
of the cochlea, and a passive one in the form of a  
syringe needle was placed in cervical muscles.

151140

(Contd)

Jul/Aug 49

USSR/Medicine - Ear

Oscillograms made by recording relay for sounds  
Analysis of changes produced  
C<sub>12b</sub> and C<sub>1,02b</sub>. Analysis of changes produced  
in cochlear currents by vibration, judging by  
drop in amplitude of oscillations of these  
shows harmful influence of vibrations of these  
currents. If these currents can be considered an  
indicator of hearing, it may be concluded that  
vibration injures hearing in animals.

151140

YAZYKOV, Maj. S. A.

Cand. Medical Sci.

Mbr., Tashkent District Mil. Hosp., -c1948-.

Mbr., Otorhinolaryngological Clinic im. V. I. Voyachek, Mil. Med. Acad. im. Kirov,  
-c1949-.

"The Problem of the Herpes Zoster Oticus," Vest. Otorino-laringol, No. 1, 1948;

"Experimental Vibrotrauma of the Ear in Guinea Pigs," ibid., No. 4, 1949.

YAZYKOV, S. A.

33602 K Simptomatike Ognestrel'nykh Raneniy Csnovnoy Pazukhi S Povrezhdeniyem  
Gipofizarnoy Oblasti. Vestnik Otorinolaringologii, 1949, No. 5, C. 50-51

SO: Letopis'nykh Statey, Vol. 45, Moskva, 1949

YAZYKOV, S. A.

37652. Sluchay rinogenного absessa lornoy doli mozga, zakonchivshegosya  
vyzdorovleniyem. Vestnik otolinolaringologii, 1949, N. 6. S. 69-70

SO: Letopis' Zhurnal'nykh Statey, Vol. 37, 1949

YAZYKOV, S.A.

The sacculle as receptor of vibrations. Vest.otorinolar. 13  
no.1:19-22 Jan-Feb 51. (CLML 20:5)

1. Candidate Medical Sciences. 2. Of Tashkent Okrug Military Hos-  
pital No 340 (Head--A.N.Syrnev, Colonel, Medical Corps).

YAZYKOV, S. M.

"Polytechnic Preparation of the Teacher of the Beginning Classes of School."  
Moscow, 1955

(Dissertation for the Degree of Candidate of Pedagogical Sciences)

SO: Knizhnaya Letopis', No. 32, 6 Aug 55

YAZYKOV, S.M., arkhitektor.

Resources for economizing timber in housing construction. Gor.  
khoz. Mosk. 32 no.7:10-12 J1 '58. (MIRA 11:6)  
(Timber)



Yazykov, V. A.

ASB-51.4 METALLURGICAL LITERATURE CLASSIFICATION

Absorption of nitrogen by chromium, and by iron-chromium and iron-aluminum alloys. V. A. Yazykov. *Kachestvennaya Stal* 1935, No. 5, 36-40; *Chem. Zvesti.* 1936, 1, 4616. —N<sub>2</sub> absorption by these materials in both the solid and liquid state is considered. Phase diagrams are given for the system Fe-Cr-N, and discussed from a theoretical standpoint. M. G. Moore

POLONSKIY, V.I., prof., doktor tekhn.nauk; YAZYKOV, V.N., kand.tekhn.  
nauk, nauchnyy red.; VASIL'YEV, A.V., red.izd-va; GURDZHIYEVA,  
A.M., tekhn.red.

[Atomic ships] Atomnye korabli. Leningrad, O-vo po raspro-  
straneniu polit. i nauchnykh znaniy RSFSR, Leningr.otd-nie  
1959. 41 p. (MIRA 12:11)

(Atomic ships)

YAZYKOV, V.S.

Economic effect from the transfer of converters to a heavier  
charge. Sbor.trud.Otd tekhn.-ekon. issl. TSNICHM no. 1:56-58  
'63. (MIRA 17:6)

GOKHMAN, I.S.; YAZYKOV, V.S.

Comparing the technical and economic indices of the open-hearth  
and converter processes operating with an oxygen blow. Sbor.  
trud.Otd. tekhn.-ekon. issl. TSNIICHM no. 1:43-55 '63.  
(MIRA 17:6)

YAZYKOVA, Alla Alekseyevna; FISAREV, Yu.A., doktor ist. nauk, otv.  
red.; -SHUSHARIN, V.P., red.

[The People's Rumania] Narodnaia Rumyniia. Moskva, Nauka,  
1965. 116 p. (MIRA 18:8)

USSR / Soil Science. Genesis and Geography of Soils.

J-2

Abs Jour : Ref. Zhur - Biologiya, No 17, 1958, No. 77371

Author : ~~Yazykova, A. V.~~

Inst : Turkmen Agricultural Institute

Title : On the Characteristics of Soils of Garden Plantations of the Vannov Sovkhoz in the Golden Key Plot

Orig Pub : Tr. Turkm. s.-kh. in-ta, 1957, 9, 77-81

Abstract : In the foothills of the central Kopet-Dag, depending on the depth of beds of gravel deposits, it is recommended to divide the light sierozems of the fully-developed, shortened and undeveloped profiles. Gravel deposits lay under these soils at depths (respectively) of 150-200, 80-120 and 20-50 cm. With utilization of the soils under plantations of fruit cultures, it is necessary to take into account the thickness of the fine earth soils and the features of the root systems of the plants. Morphological properties,

Card 1/2

YAZYKOVA, K.N.

K.N. Yazykova, Candidate of Biological Sciences, U15V is the author of an article, "Pathologo-anatomical Changes in Fowl Plague" reviewed by F. K. Borisovich. (The review lists her conclusions).  
SD: Veterinariya; Vol. 23; 8-9; 16-18; August/September 1946 uncl de g  
Trans. # 312 by L. Lulich

1. YAZYKOVA, K. N.
2. USSR (600)
4. Anemia
7. Pathological-morphological changes in the liver and spleen of pigeons utilized in a biological test for infectious anemia of horses. Nauch.trudy UIEV 18, 1951.

9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.



ARTYUKH, I.A., dotsent; YAZYKOVA, K.N., kandidat biologicheskikh nauk;  
OSTASHEVSKIY, A.G., kandidat veterinarnykh nauk.

Bovine neurofibromatosis. Veterinariia 30 no.4:49-53 Ap '53.  
(MLRA 6:4)

1. Ukrainskiy institut eksperimental'noy veterinarii.

U 3R/Diseases of Farm Animals. Diseases caused by Viruses and Rickettsiae.

Abstr Jour : Ref Zhur-Biol., No 1, 1958, 2711

Author : Oleynik, N. K., Yazykova K. N., Direnko P. M.,  
Malyarets P. V.

Inst : Ukrainian Institute of Experimental Veterinary  
Sciences

Title : Testing the Laboratory Diagnostic Method of In-  
fectious Anemia in Horses, Worked Out by the Uk-  
rainian Institute of Experimental Veterinary  
Sciences.

Orig Pub : Nauch. tr. Ukr. in-sta eksperim. vet., 1956, 23,  
23-38

Abstract : Results of tests carried out on 281 horses when  
investigating infectious anemia, have confirmed the  
data obtained previously on the effectiveness of  
the given method, established by means of individu-  
al and group biological tests on pigeons.

Card 1/1

USSR/Human and Animal Morphology. Pathological Anatomy

S-5

Abs Jour : Ref Zhur - Biol., No 20, 1958, No 92906

Author : Yazykova K.N.  
Inst : Ukrainian Institute for Experimental Veterinary Medicine  
Title : Pathological and Morphological Changes in Organs of the  
Guinea Pig with Brucella Infection and Immunization with UIEV  
Anti-Brucella Vaccine

Orig Pub : Nauchn. tr. Ukr. in-t eksperim. vet., 1956, 23, 85-100

Abstract : A histological examination was made of different organs of 30 guinea pigs, 13 of which were infected with a virulent culture of Brucella abortus (group I), 12 were injected with 2 ml of UIEV anti-brucella vaccine (group II), and 5 were immunized with three injections of 0.1, 0.2, and 2.0 ml of UIEV vaccine and then infected with a virulent culture of brucella (group III). Animals of group I revealed characteristic morphological changes in the spleen (S), lymph nodes (LN), and liver (L). In group II there were no granulomas typical of brucella infection, but a tissue reaction was observed

Card : 1/2

YAZYKOV, S. M.

"A Metal' Model of a Molecule and Vibration Spectra." Cand Phys-Math  
Sci, Physics, Inst imeni P. N. Lebedev, Acad Sci USSR, Moscow, 1955. (KL,  
No. 8, Feb 55)

SO: Sum. No. 631, 26 Aug 55 - Survey of Scientific and Technical Dissertations  
Defended at USSR Higher Educational Institutions (14)

YAZYKOVA, S.M.

✓ The intensity in vibrational spectra and a "metallic" model for molecules. M. V. Vol'kenshteyn and S. M. Yazykova. Doklady Akad. Nauk S.S.S.R. 104, 807 (1965). A method is given for calcg the intensity of Raman bands on the basis of a "metallic" model for unsatd mole., through examn. of the behavior of the  $\pi$ -electrons in a one-dimensional box with infinite walls. Calculs. effected on this basis for the C-halogen and C-C bands in  $C_6H_5I$ ,  $C_6H_5Br$ , and  $C_6H_6$  agree qualitatively with exptl. results. R. D. Kress.

2

chem

64

24.6100  
5.4130

67151

SOV/51-7-6-3/38

AUTHOR: Yazykova, S.M.

TITLE: Eigen-Values of  $\pi$ -Electrons<sup>21</sup> in a Potential Box with an Even Number of Barriers, n.

PERIODICAL: Optika i spektroskopiya, 1959, Vol 7, No 6, pp 729-732 (USSR)

ABSTRACT: When the metallic model with infinite walls is used for molecules with incomplete alignment of single and double bonds, the potential of the molecular skeleton is presumed to be periodic. The present author uses this assumption as well as Veselov and Rekasheva's model (Refs 3, 4) to obtain, in a general form, the equation for determination of eigen-values of  $\pi$ -electrons in a potential box with an even number of barriers, n. The barriers are taken to correspond to single bonds in a molecule and  $n > 2$ . The calculations were carried out for both even and odd eigen-functions. The formulae obtained are applied to find the energy levels of a polyene  $C_{10}H_{12}$ . The numerical values of the levels yield an absorption line wavelength of 384 m $\mu$ , compared with an experimental value of 346 m $\mu$ . The paper is entirely theoretical. There are 8 references, 6 of which are Soviet, 1 English and 1 Swiss.

SUBMITTED: April 8, 1959

Card 1/1

69437

S/139/60/000/01/011/041  
E032/E414

24.6100  
AUTHOR:

TITLE:

PERIODICAL:

Yazykova, S.M.

On the Theory of the Metallic Model of a Molecule<sup>21</sup>

Izvestiya vysshikh uchebnykh zavedeniy, Fizika,  
1960, Nr 1, pp 64-67 (USSR)

ABSTRACT:

The success of the metallic model of a molecule (with infinite walls and a flat bottom) in electronic spectra calculations has led to the application of this model to the calculation of polarizability and the intensity of molecular spectra. The present paper extends the metallic model by introducing a non-local potential (Eq (2)) which describes the polarization of the core by the  $\pi$  electron and the exchange interaction between the  $\pi$  electron and all the remaining electrons. The  $\pi$  electrons in the molecule are treated as quasi-particles with a reduced mass. The function  $f(r - r')$  is taken in the form given by Eq (3), ie the gaussian approximation of the  $\delta$ -function. The local part  $V(r)$  is taken in the form of a square well. The Schrodinger equation (Eq (1)) can then be rewritten in the form given by Eq (4) (momentum representation) from which it

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S/139/60/000/01/011/041

E032/E414

## On the Theory of the Metallic Model of a Molecule

is clear that the effective nuclear potential is of the form given by Eq (5). By combining the second term in Eq (5) with the kinetic energy, one is led to the Schrodinger equation given by Eq (7) where  $m^*$  is the reduced mass given by Eq (6). The reduced mass is thus a function of the "non locality parameter"  $x_0$ . An estimate is then made of the parameter  $x_0$  for a molecule of butadiene. Calculations show that if the ionization potential is 0.333 au and the linear dimension of the molecule is 10.77 au then the depth of the well is  $V_0 = 0.450$  au. On solving the Schrodinger equation with  $m = 1$ , one finds that the wave number is  $\nu = 32700 \text{ cm}^{-1}$  while the experimental value is  $47700 \text{ cm}^{-1}$ . The wave numbers can be made to agree if instead of  $m = 1$  one uses  $m^* = 0.69$ . The latter value is unexpectedly small. However this does not mean that the potential is necessarily very non-local because  $m^*$  depends also on the choice of the parameters for the potential well. Unfortunately there are no

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E032/E414

On the Theory of the Metallic Model of a Molecule

satisfactory experimental data which would be used to estimate these parameters. Using Eq (6) with the above value for  $m^*$ , it is found that  $x_0 \approx 1.2$ . There are 10 references, 9 of which are Soviet and 1 English.

ASSOCIATION: Vorenezhskiy gosuniversitet (Vorenezh State University)

SUBMITTED: March 26, 1959

Card 3/3

4

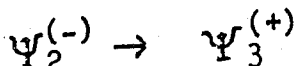
S/051/60/009/004/018/034  
E201/E191

AUTHOR: Yazykova, S.M.

TITLE: A Quantum-Mechanical Allowance for the Non-linearity of a Molecule

PERIODICAL: Optika i spektroskopiya, 1960, Vol 9, No 4, pp 517-519

TEXT: Recent papers dealt with improvement of the metallic model by allowance for non-equivalence of single and multiple bonds in conjugated molecules and for interaction of molecular electrons. Non-linearity of molecules was not taken into account. The present note gives a quantum-mechanical treatment of the metallic model with allowance for such non-linearity. The treatment is illustrated on a molecule of butadiene which is represented in the form of three sections which do not lie in the same plane (a figure on p 518). Schrödinger's equation for each section was solved separately and the solutions were joined. The oscillator strengths were calculated for the long-wavelength transition



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S/051/60/009/004/018/034  
E201/E191

A Quantum-Mechanical Allowance for the Non-linearity of a Molecule  
where  $\psi(+)$  represents the eigenfunctions of the even, and  $\psi(-)$   
represents the eigenfunctions of the odd states of butadiene.  
Calculations yielded  $f = 1.1$  instead of an experimental value  
of  $f = 0.53$  (a linear model of butadiene yielded  $f = 0.98$ ,  
and Mulliken and Rieke (Ref 4) found  $f = 1.29$ ). The treatment  
given for butadiene can be used to deal with other non-linear  
molecules within the framework of the metallic model.  
There are 1 figure and 4 references: 2 Soviet and 2 English.

SUBMITTED: February 29, 1960

Card 2/2

S/058/62/000/006/023/136  
A061/A101

24.6810

AUTHOR: Yazykova, S. M.

TITLE: Eigenvalues of  $\pi$ -electrons in a potential well with an odd number  
n of barriers

PERIODICAL: Referativnyy zhurnal, Fizika, no. 6, 1962, 8, abstract 6V47  
("Tr. Voronezhsk. un-ta", 1961, v. 55, 63 - 67)

TEXT: Within the framework of the metallic model, a general equation has been obtained for determining the energy levels of  $\pi$ -electrons in molecules of the polyene series with an arbitrary odd number of potential barriers (the barrier corresponds to the single bond in the molecule). A specific calculation is made for the octatetraene molecule. Transcendental equations are given to determine the eigenvalues of  $\pi$ -electron energy in octatetraene, corresponding to even and odd eigenfunctions, and expressions for the respective functions are indicated. The quantitative calculation leads to the following frequency value of the longwave transition:  $\nu_{45} = 28,400 \text{ cm}^{-1}$ . Experimental value:  $\nu_{45} = 35,000 \text{ cm}^{-1}$ .

✓B

Ye. Pshenichnov

[Abstracter's note: Complete translation]  
Card 1/1

YAZYKOVA, V. A.

Biophysics

DECEASED  
c. '61

see ILC

1962/  
7

YAZIKOVICH, M. A.

Sublimation (Chemistry)

Laboratory apparatus for the sublimation of large amounts of organic substances which does not require any special equipment. Zhur. prikl. khim. 20, No. 5, 1947.

Monthly List of Russian Accessions, Library of Congress, June 1953. UNCLASSIFIED.

YAZYKOVICH, V.F.

Let us carry out the decisions of the 22nd Congress of the CPSU.  
Mekh.i avtom.proizv. 16 no.11:22-26 N '62. (MIRA 15:12)

1. Sekretar' Minskogo oblastnogo komiteta Kommunisticheskoy  
partii Belorussii.

(Minsk Province--Technological innovations)  
(Automation)

SINYAKOVICH, Georgiy Antonovich; YAZYLET'S, N.M., red.; ZIMA, Ye.G.,  
tekhn. red.

[Crustal salt; comments on the construction of Soligorsk] Sol'  
zemli; ocherki o Soligorskoj stroike. Minsk, 1962. 30 p. (Obshche-  
stvo po rasprostraneniu politicheskikh i nauchnykh znanii Belorus-  
skoi SSR, no.24) (MIRA 16:1)

(Soligorsk--City planning)  
(Starobin District--Potassium salts)



YAZYNNIN, N. (Saratov)

Constructed by us. Zhil.-kom.khoz. 9 no.6:19-20 '59.  
(MIRA 12:10)

1. Glavnyy inzhener Saratovskoy gorodskoy elektroseti.  
(Saratov--Electric transformers--Maintenance and repair)

L 4903-66 EWT(m)/T/EWP(t)/EWP(b)/EWA(c) IJP(c) JD  
ACC NR: AP5023281

UR/0302/65/000/003/0057/0058  
621.315.422

AUTHOR: Nekrasov, M. M. (Candidate of technical sciences); Yazytskiy, B. Ya. 29  
3

TITLE: New ferroelectric elements

SOURCE: Avtomatika i priborostroyeniye, no. 3, 1965, 57-58

TOPIC TAGS: ferroelectric crystal, ferroelectric material, single crystal, barium titanate 4 21

ABSTRACT: Ferroelectric elements used for brightness and illumination time control must be able to change their capacitance by at least a factor of 20 at comparatively low control voltages, they must work at temperatures within the -60 to +80C interval, have a working frequency range from 1 to 20 kc, have a resistance of at least 10<sup>10</sup> Ohm, be mechanically stable, and be humidity resistant. The commonly used (NH<sub>2</sub>CH<sub>2</sub>COOH)<sub>3</sub>·H<sub>2</sub>SO<sub>4</sub> monocrystals have good electrical properties, but have a low Curie temperature (~ 50C), are quite brittle, and must be kept hermetically sealed. To overcome these shortcomings the present authors prepared barium titanate polydomain crystals made of chemically pure BaCO<sub>3</sub> and condenser TiO<sub>2</sub>. Their operating temperature is from -196 to +120C, effective nonlinearity 35 - 40, reversible nonlinearity 40 - 50, resistance is 10<sup>11</sup> to 10<sup>12</sup> Ohm; they are mechanically stable and humidity resistant. Capacitances of up to 1000 nF can be obtained with 5 - 7 mm<sup>3</sup> samples. Orig. art. has: 3 formulas and 2 figures.

ASSOCIATION:

Card 1/2

L 4903-66

ACC NR: AP5023281

SUBMITTED: 00

ENCL: 00

SUB CODE: EC, SS

NO REF SOV: 001

OTHER: 000

PC  
Card 2/2

ACC NR: AP7005859

SOURCE CODE: UR/01B1/66/008/012/3639/3641

AUTHOR: Yazytskiy, B. Ya.; Poplavko, Yu. M.

ORG: Kiev Polytechnic Institute (Kiyevskiy politekhnicheskii institut)

TITLE: Concerning microwave dispersion in barium titanate above the Curie point

SOURCE: Fizika tverdogo tela, v. 8, no. 12, 1966. 3639-3641

TOPIC TAGS: barium titanate, Curie point, electromagnetic wave dispersion, dielectric constant, temperature dependence, phase transition, paraelectricity

ABSTRACT: In view of the low accuracy of earlier investigations, the authors measured the temperature dependence of the dielectric constant of  $\text{BaTiO}_3$  in the vicinity of the phase transition by using a special waveguide-resonator method developed earlier (ZhETF v. 43, 800, 1962). The only experimental data used were those obtained at resonances at multiples of one-quarter of the wavelength of the sample placed in the waveguide. This, in conjunction with exact computer calculations, made it possible to determine the dielectric constant accurate to 3%. The temperature dependence of the dielectric constant and of the dielectric losses was measured at 9.4 and at 37 GHz. (This is the first time that measurements on  $\text{BaTiO}_3$  were made at such high frequency.) The results show that no dispersion takes place above the Curie point. The 37-GHz investigations have also shown that there is no dispersion in the paraelectric phase, just as there is none at lower frequencies. Orig. art. has: 1 figure.

SUB CODE: 20/ SUBM DATE: 02Jun66/ ORIG REF: 003/ OTH REF: 008

Card 1/1

YDZIK, Tadeus.; BIALAS, Edmund; SZUBERT, Edward; BARON, Jozef.

Effect of adenosinetriphosphoric acid on the bio-electrical  
activity of the myometrium in pregnancy. Ginek. Pol. 35 no.4:  
495-502 J1-Ag '64

1. Z I Kliniki Poloznictwa i Chorob Kobietych Akademii Medycznej  
w Poznaniu (Kierownik: prof. dr. med. W. Michalkiewicz).

GVOZDETSKIY, N.A.; FEDCHINA, V.N.; AZAT'YAN, A.A.; DONTSOVA, Z.N.;  
FEDOSEYEV, I.A., *otv. red.*; YEASKOV, V.A., *red.*; SOLOV'YEV,  
A.I., *red.*

[Russian geographical explorations of the Caucasus and  
Central Asia in the 19th and the beginning of the 20th  
century] Russkie geograficheskie issledovaniia Kavkaza i  
Srednei Azii v XIX - nachale XX v. [By] N.A.Gvozdet'sii i  
dr. Moskva, Nauka, 1964. 156 p. (MIRA 17:11)

ACCESSION NR: AP4012979

S/0020/64/154/004/0946/0949

AUTHORS: Yebstigneyev, V.B.; Bekasova, O.D.

TITLE: On photoreduction of chlorophyll a, bacterioviridin, bacteriochlorophyll and protochlorophyll in nonpolar solvents

SOURCE: AN SSSR. Doklady\*, v. 154, no. 4, 1964, 946-949

TOPIC TAGS: photoreduction, chlorophyll a, bacterioviridin, bacteriochlorophyll, protochlorophyll, phaephytin, nonpolar solvent, polar solvent, phenylhydrazine, absorption, spectrum, chlorophyll absorption, bacterioviridin complex formation

ABSTRACT: In continuation of earlier work on the influence of the solvent upon the absorption spectra of such pigments, the title substances obtained from nettles, chlorobium thiosulfatophilum and chloropseudomonas ethylicum, rhodopseudomonas palustris and the interior membrane of pumpkin seeds respectively were dissolved in toluene. 0.05 ml phenylhydrazine was added to 6ml solution and the

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ACCESSION NR: AP4012979

mixture was subjected to spectrophotometry study after photoreduction. The equipment used for the usual and for luminescent spectrophotometry is described. The chlorophyll a spectra, obtained after photoreduction at room and at low temperatures ( $\sim 50^{\circ}$ ) showed the usual maximum at 520 and an additional one at 585 m $\mu$ , the latter particularly pronounced at low temperatures. Increasing the temperature resulted in rapid decrease of the 585 absorbance; addition of a polar solvent (e.g. alcohol) also depressed formation of the latter maximum down to its complete disappearance. Solvents such as benzene, pentane, xylene also gave 2 maxima. Bacterioviridin yielded similar results, except for greater stability of the longer wave maximum (560 m $\mu$ ). Protochlorophyll had one at 470 m $\mu$ . The other pigments were almost colorless. Measurements with fluorescent solutions gave essentially the same results for the first 2 pigments. It is concluded that the apparent presence of 2 forms of photoreduced chlorophyll a and bacterioviridin in nonpolar solvents may be explained by complex formation of the pigment with phenylhydrazine. Addition may proceed either at the basic ring of conjugated bonds or at the central magnesium atom of both. This would

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ACCESSION NR: AP4012979

facilitate electron migration, thus afford photoreduction at very low temperatures. This complexed form may cause the appearance of the long-wave maximum. No changes in the 520 maximum were observed throughout the experiment. Orig. art. has: 2 figures.

ASSOCIATION: Institut biokhimii A.N. Bakha Akademii nauk SSSR  
(Institute of Biochemistry, Academy of Sciences SSSR)

SUBMITTED: 19Jun63

DATE ACQ: 26Feb64

ENCL: 00

SUB CODE: CH

NO REF SOV: 010

OTHER: 005

Card 3/3

L 65207-65 ENT(m)/T/EWA(m)-2

ACCESSION NR: AP5021735

UR/0386/65/002/002/0030/0034

AUTHOR: Alikhanov, A. I.; Bayatyan, G. L.; Brakhman, E. V.; Galaktionov, Yu. V.;  
Yeliseyev, G. P.; Yech, F. A.; Zel'dovich, O. Ya.; Landsberg, L. G.; Lyubimov, V.  
A.; Sidorov, I. V.

TITLE: Elastic backward scattering of  $\pi$ -mesons by neutrons in the 1.4-4.0 BeV/s pulse range

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 2, no. 2, 1965, 90-94

TOPIC TAGS: pi meson, particle scatter, neutron scattering

ABSTRACT: The elastic backward scattering reaction  $\pi^- + n \rightarrow \pi^- + n$  is studied in the 1.38-4.05 BeV/s pulse range. 1700 events of this reaction were selected with a pion scattering angle of  $>90^\circ$ . The solid angles for these events were measured (accuracy of measurement in the horizontal plane was  $1^\circ$  and in the vertical plane-- $3^\circ$ ). The results are given in graphic and tabular form. Orig. art. has: 3 figures, 1 table.

ASSOCIATION: none

Card 1/2

L 65207-65

ACCESSION NR: AP5021735

SUBMITTED: 02Jun68

ENCL: 00

SUB CODE: WP

NO REF SOV: 000

OTHER: 000

*dm*  
Card 2/2

YECHA, G. Ya. Cand Med Sci — (diss) "The Veins of the Shin and Their Anastomoses." Riga, 1957. 24 pp 20 cm. (Min of Health Latvian SSR, Riga Medical Inst), 300 copies (KL, 18-57, 98)

- 52 -

YECHA, G.[Jeca, G.]

Innervation of the vena saphena magna of the shin. Vestis Latv ak  
no.10:115-120 '61.

(SAPHENOUS VEINS--INNERVATION)  
(LEG--INNERVATION)

USSR/Human and Animal Morphology - Normal and Pathological.  
Circulatory System.

S

Abs Jour : Ref Zhur Biol., No 11, 1958, 50289

Author : Yecha, G.Ya.

Inst : Riga Medical Institute

Title : Anastomoses of the Major Subcutaneous Vein with the Deep  
Crural Vein

Orig Pub : Zinatn. rakstu krajums. Rigas med. inst., Sb. nauchn.  
rabot. Rihzsk. med. in-t, 1957, 7, 108-118

Abstract : On the basis of material consisting of 56 extremities,  
a study was made of the number, topography and valvular  
apparatus of the anastomoses (A) of the major superficial  
and the deep crural veins. In the case of a reticular  
structure of the subcutaneous vein, A are more extensive.  
According to direction, they may be divided into

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- 23 -

USSR/Human and Animal Morphology - Normal and Pathological.  
Circulatory System.

S

Abs Jour : R<sub>e</sub>f Zhur Biol., No 11, 1958, 50289

transversal, descending and ascending. In the upper and middle third of the shin the major subcutaneous vein anastomoses most frequently with the posterior, while in the lower third of the shin - with the anterior tibial veins. According to form. A are divided into simple, ramified and receptors. Valves in A are not always met with; in fetuses up to six months old they were not found at all. The number of valves fluctuates between 1 and 4; most frequently they are bivelar. The degree of development of valves is not connected with the length and shape of A. Their distribution is mostly such as to secure the outflow of blood from the superficial veins into the deep ones. -- G.S. Katinas

Card 2/2

USSR / Human and Animal Morphology (Normal and Pathological). Nervous System. Peripheral Nervous System.

S

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 16930

Author : Yecha, G. Ya.

Inst : Not given

Title : Interconnections of Subcutaneous Nerves and Veins of the Leg of Man

Orig Pub : V sb.: Zdravookhr. Sov, Latvii, II, Riga, 1954, 101-115

Abstract : By means of the method of preparation under a falling drop, the lower extremities of cadavers of humans of various age groups, prepared with a 1% solution of acetic acid, were studied. It was shown that the interrelationships of the saphenous veins and nerves

USSR / Human and Animal Morphology (Normal and  
Pathological). Nervous System. Peripheral  
Nervous System.

S

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 16930

lower region of the leg, this vein lies over the fascia; it is joined with connective tissue most frequently with the sural nerve which lies laterally. The medial cutaneous nerve of the leg in its upper and median third lies deeper than saphena parva and is separated from it by fascia. -- A. V. Kuz'mina-Prigradova

Card 3/3



BOLTENKO, K.; YECHISTOV, A.

"Methods for studying joints in oil and gas reservoir rocks and their practical application" by E.M. Smekhov. Reviewed by K. Boltenko, A. Echeistov. Geol. nefti i gaza 4 no.10:54-56 O '60. (MIRA 13:9)  
(Oil sands) (Joints (Geology))

USACHEV, P.M.; LESIK, N.P.; OVNATANOV, G.T.; YECHEISTOV, A.I.; BELOV, V.I.;  
GENS, M.A.; MISHAKOV, V.N.

Hydraulic fracturing of strata and the underground investigation  
of fractured zones. Neft. khoz. 36 no.5:28-37 My '58. (MIRA 11:6)  
(Oil wells--Hydraulic fracturing)

YECH EISTOV, N. K.

AID P - 1943

Subject : USSR/Electricity

Card 1/1 Pub. 29 - 23/31

Authors : Yechestov, N. K., and Sidorov, D. F., Engs.

Title : ~~USSR/Electricity~~  
Complete apartment panelboard

Periodical : Energetik, 3, 28-29, Mr 1955

Abstract : The authors describe the panelboard designed by the design division of the city's Metro Transportation System. They give all data concerning dimensions, equipment, and performance. One detailed drawing with connections diagram.

Institution: None

Submitted : No date

YECHHEISTOV, N.K.

AID P - 3714

Subject : USSR/Electricity  
Card 1/1 Pub. 29 - 19/25  
Authors : Yechheistov, N. K., and D. F. Sidorov-Biryukov, Engs.  
Title : Current-taking carriage of a portable lighting network  
Periodical : Energetik, 12, 23-24, D 1955  
Abstract : The author describes a device for supplying current for portable lighting. It consists of a carriage sliding on the bare wires, which can be easily mounted and dismounted. Three drawings.  
Institution : None  
Submitted : No date